FIG. 1

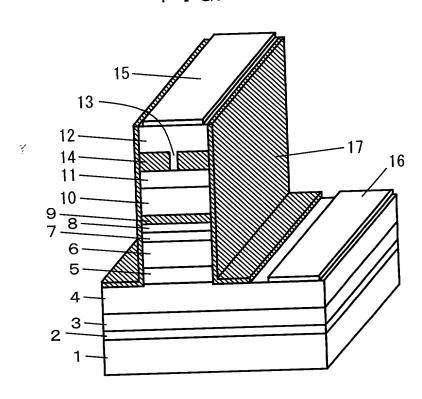
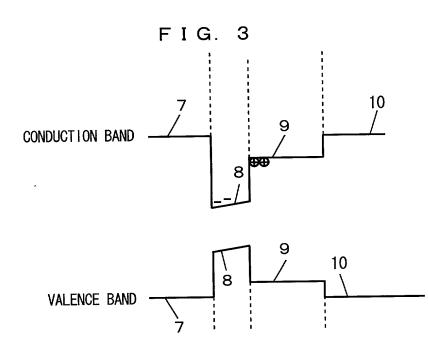


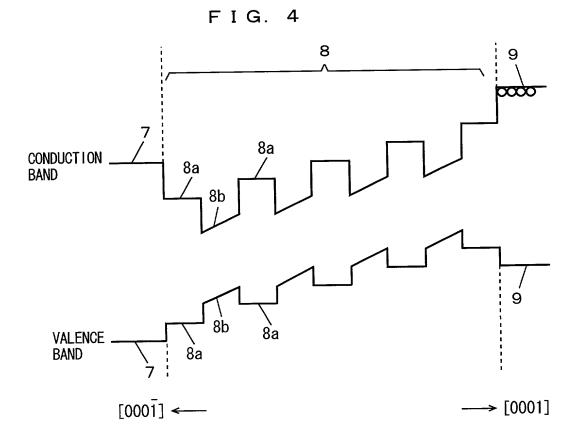
FIG. 2

CONDUCTION BAND

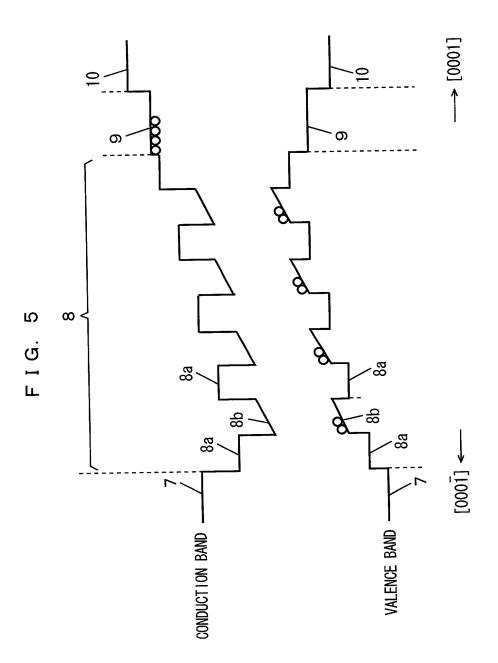
VALENCE BAND 7 8 9 10 8 9 10 8 9 10



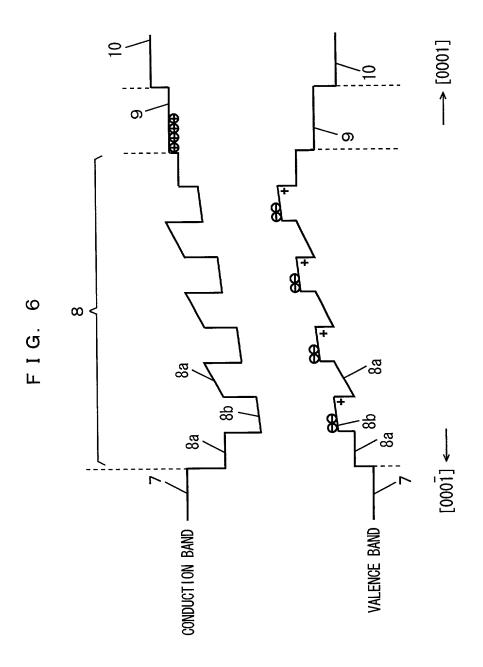
[0001] ←



→ [0001]

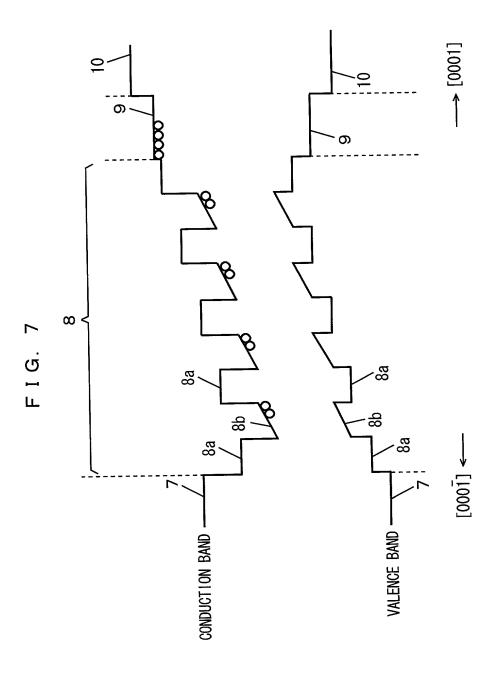


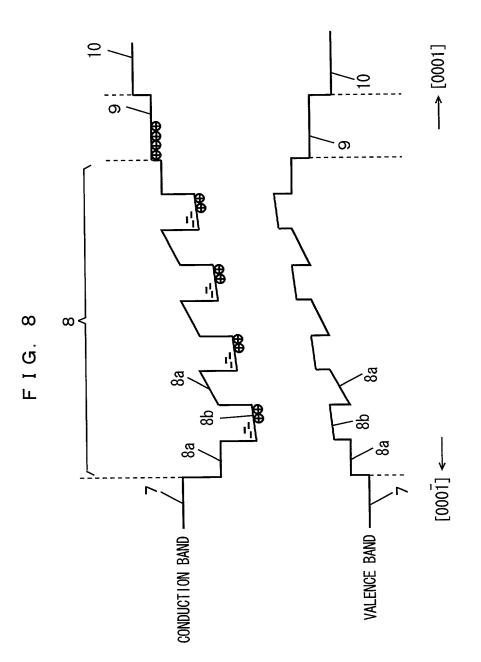
7-1

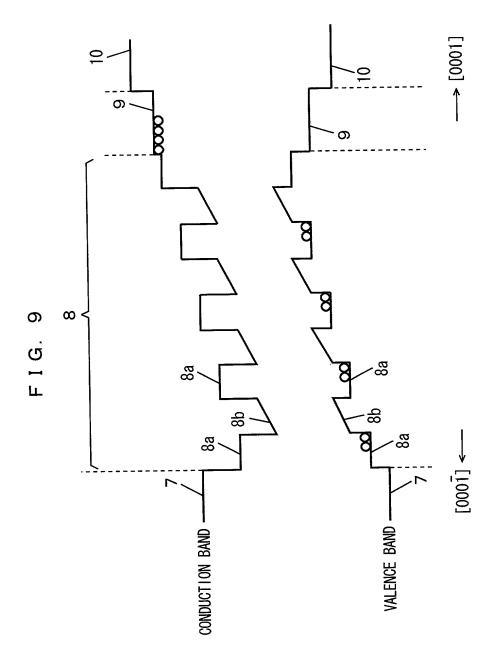


-

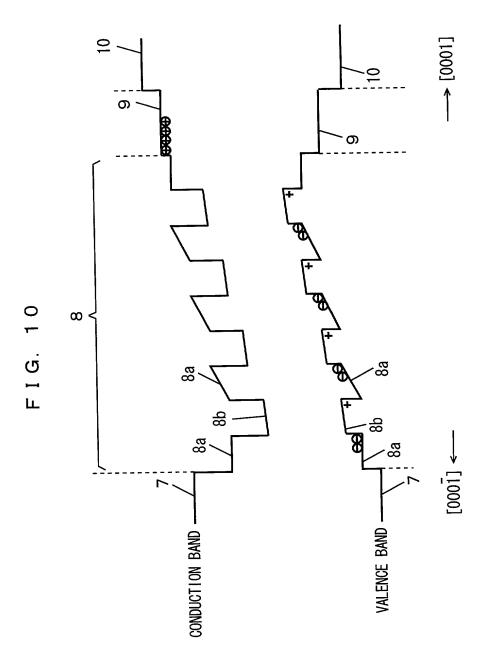
7:1





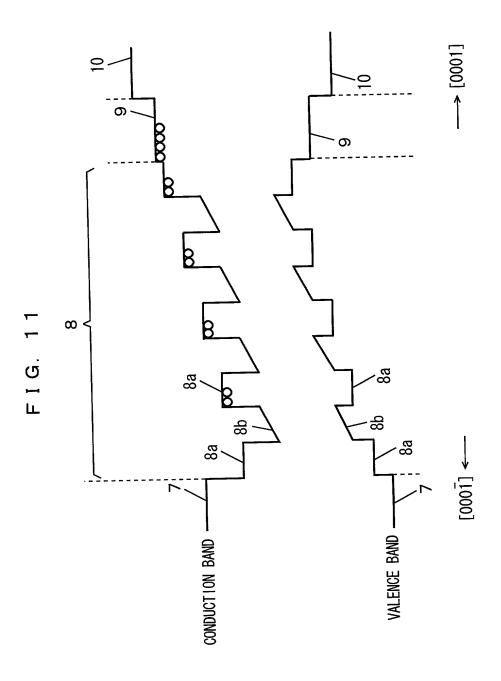


-



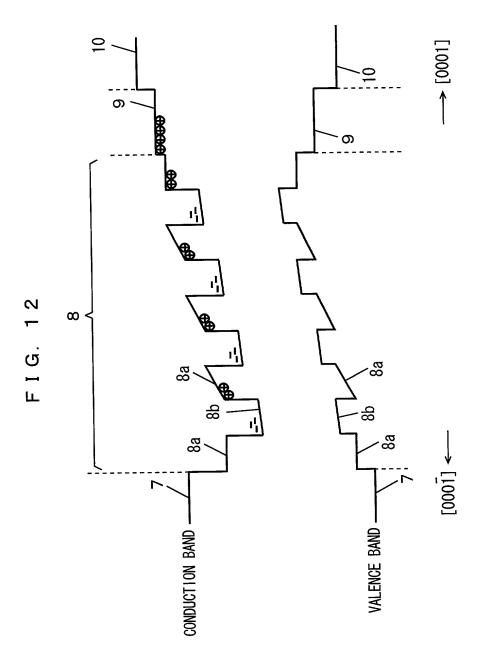
•.

3.4

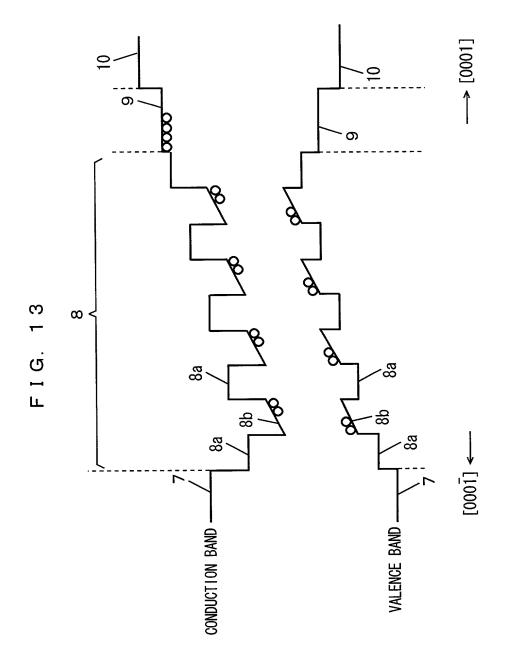


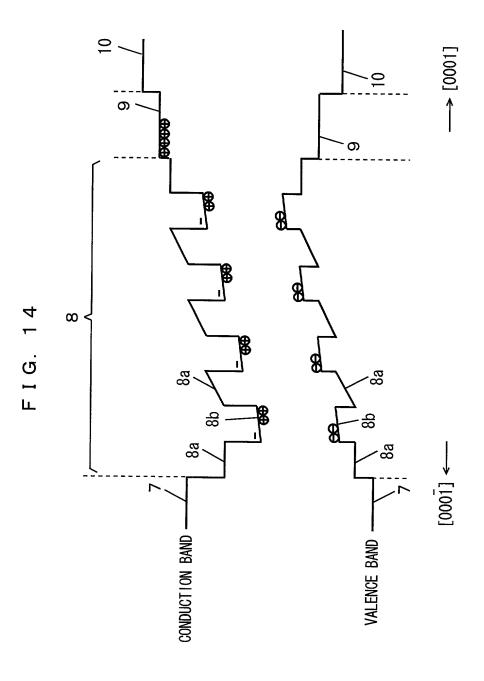
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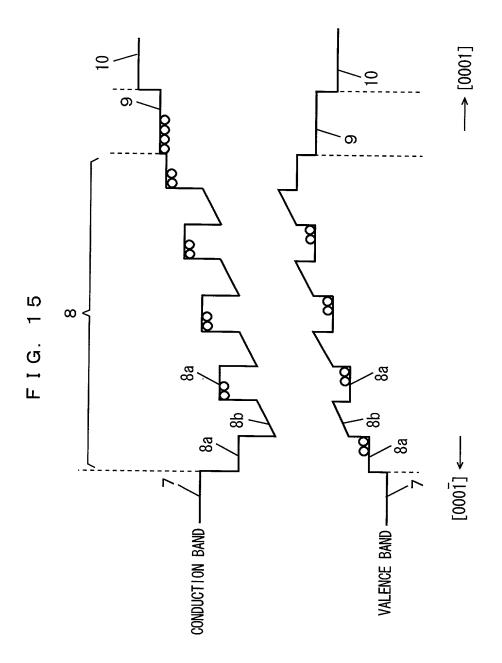


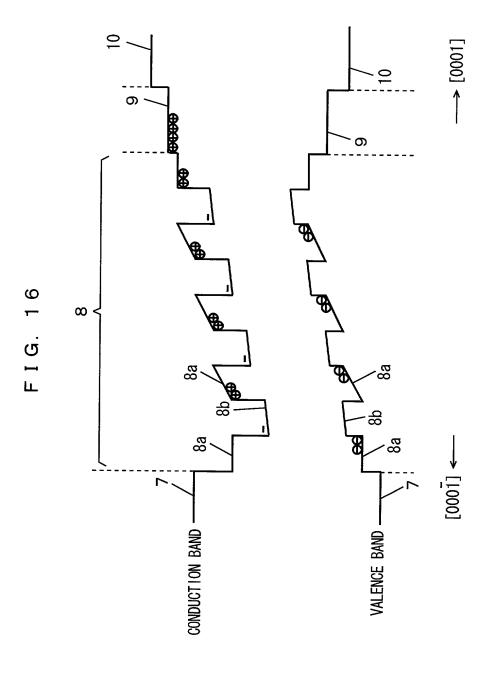
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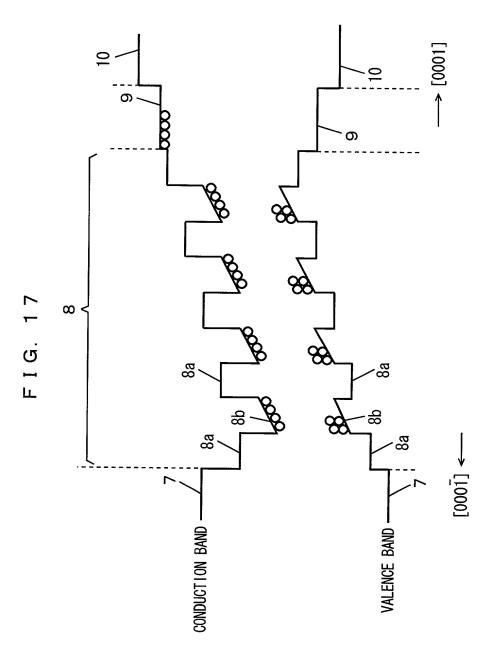




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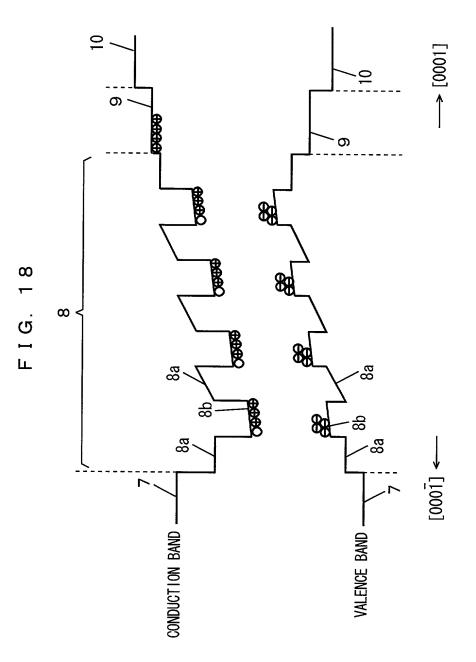


FIG. 19

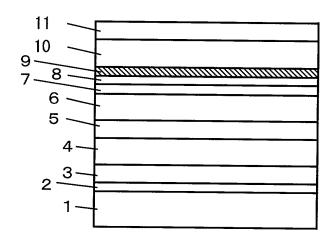
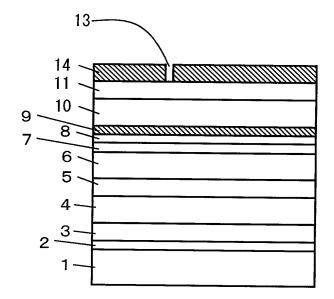


FIG. 20



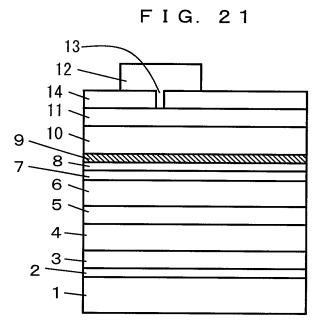
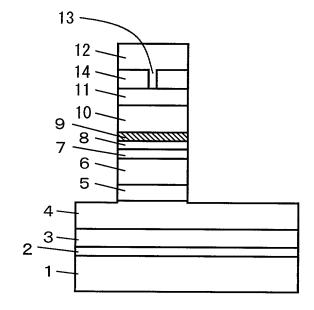


FIG. 22



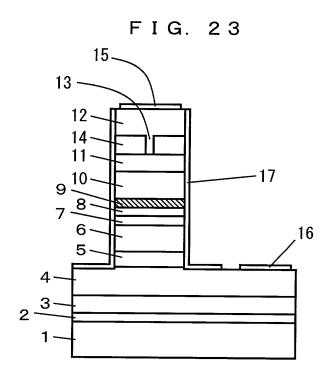
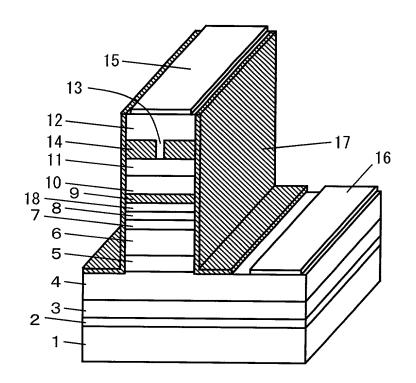
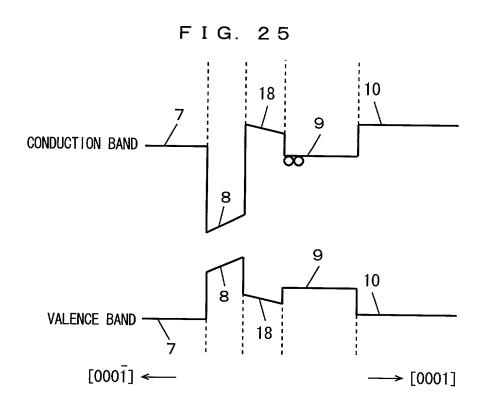


FIG. 24





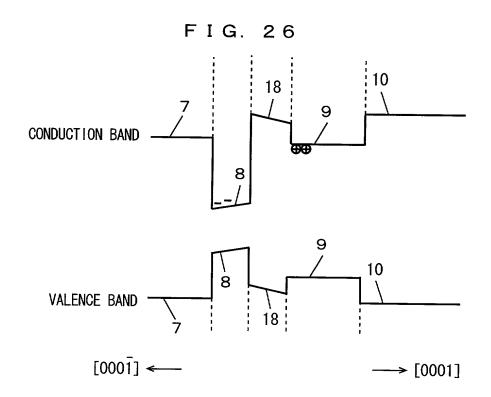


FIG. 27

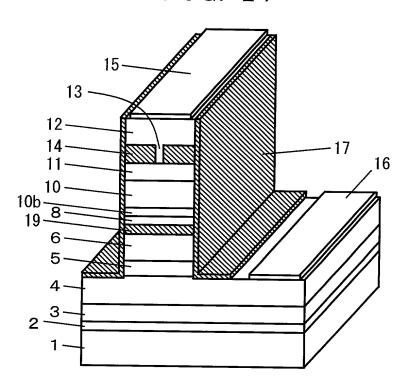
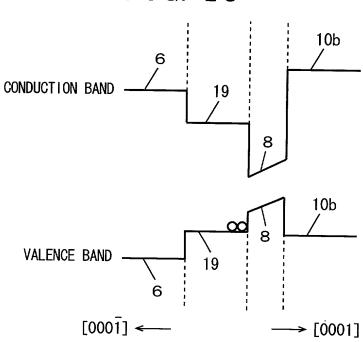
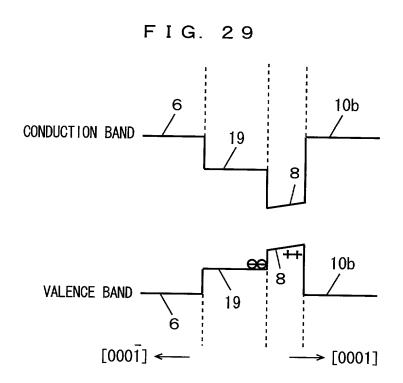
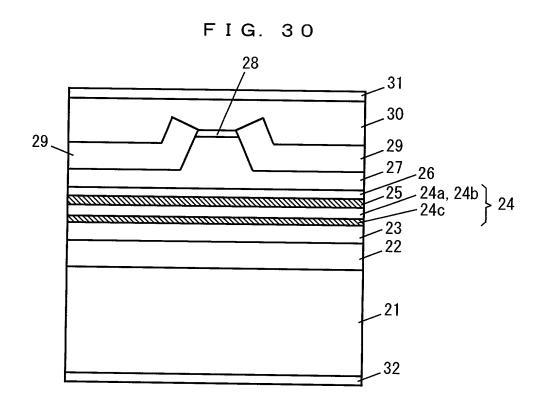
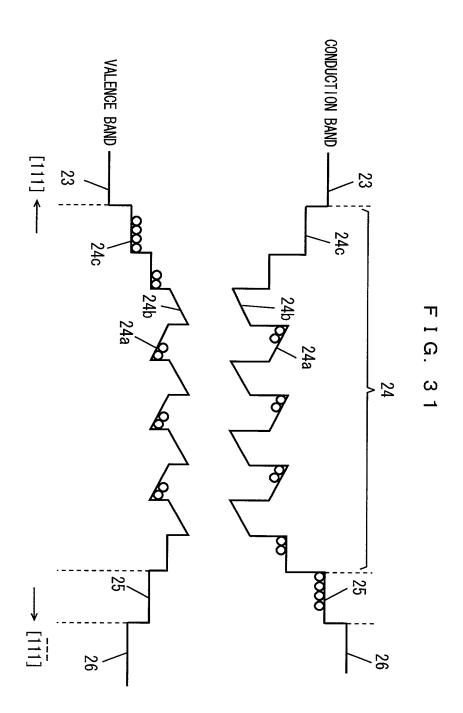


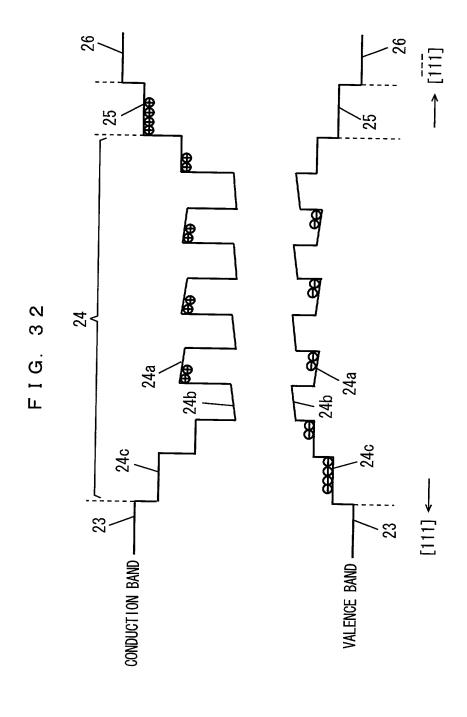
FIG. 28

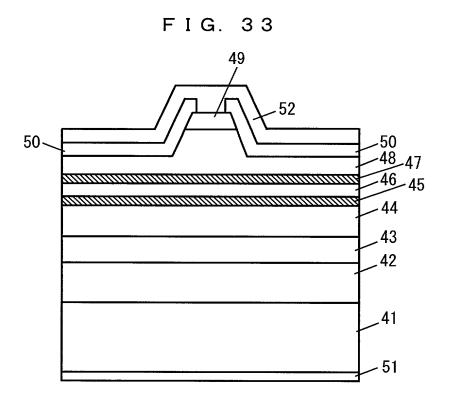


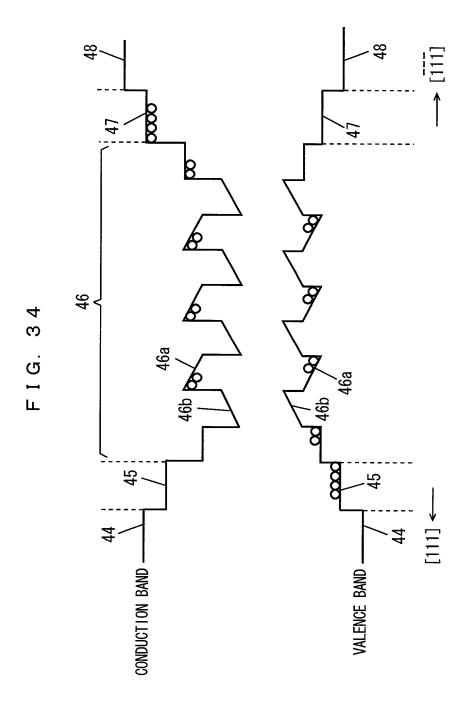












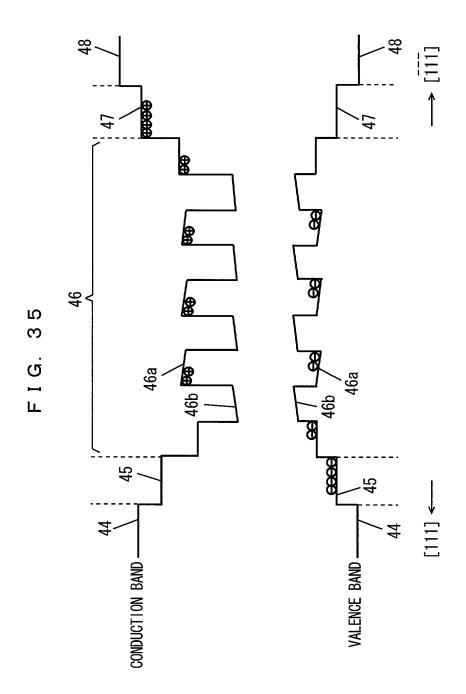


FIG. 36

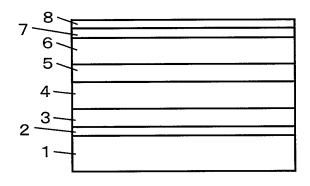


FIG. 37

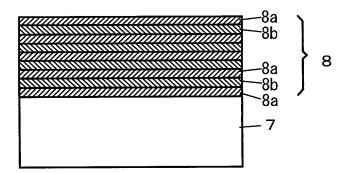


FIG. 38

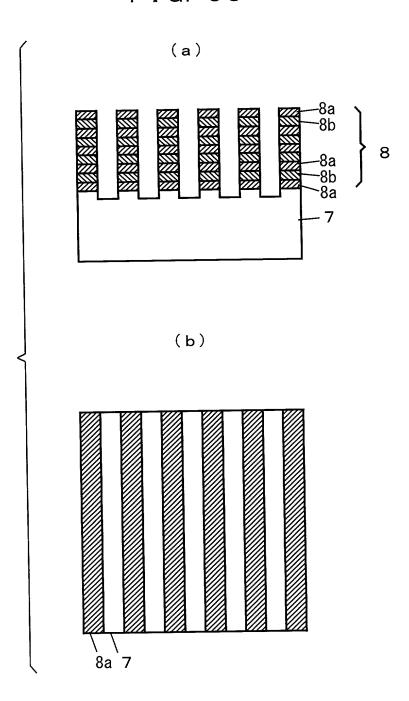


FIG. 39

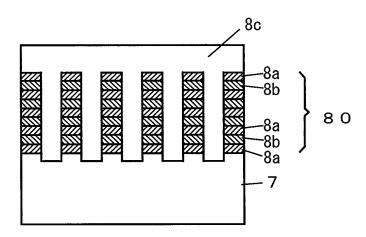
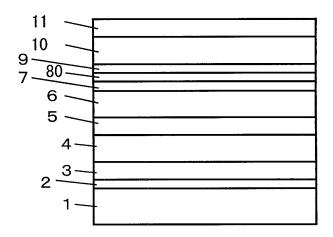


FIG. 40



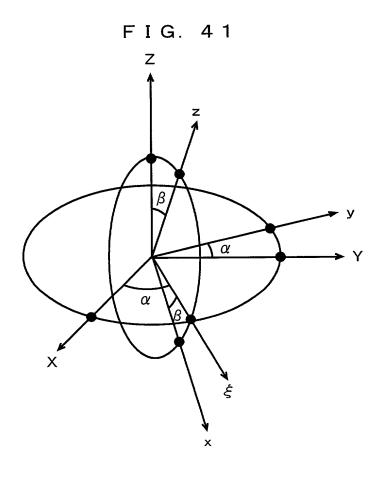


FIG. 42 PRIOR ART

